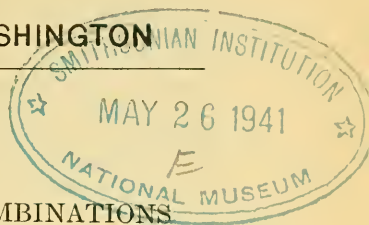


PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON



NEW SPECIES, NAMES, AND COMBINATIONS
OF GRASSES.

BY JASON R. SWALLEN.

Recent studies on grasses have made necessary the new names and species contained in this paper.

Panicum lithophilum Swallen, sp. nov.

Annuum; culmi 10 to 30 cm. alti, erecti, ramosi, glabri vel sparse hispidi; vaginae papilloso-hispidae pilis adscendentibus; ligula ciliata, 1 mm. longa; laminae 6 to 8 cm. longae, 2 to 4 mm. latae, erectae, purpureae, papilloso-hispidae, marginibus scabris; paniculae erectae, 7 to 15 cm. longae, pauciflorae, ramis solitariis late adscendentibus, infimis usque ad 10 cm. longis; pulvini glabri vel sparse pilosi; spiculae 2.1 to 2.2 mm. longae, appressae, solitariae vel binae ad apices ramulorum; gluma prima 0.6 to 0.8 mm. longa, obtusa; gluma secunda et lemma sterile aequalia, acuta, glabra; fructus 1.6 mm. longus, fuscus, lucidus.

Annual; culms 10 to 30 cm. tall, erect, in small tufts, glabrous or sparsely hispid, branching at the lower nodes; sheaths about as long as or a little shorter than the internodes, papillose-hispid with ascending hairs; ligule ciliate, 1 mm. long; blades 6 to 8 cm. long, 2 to 4 mm. wide, erect, rather conspicuously tinged with purple, papillose-hispid especially toward the base, the margins scabrous; panicles erect, the primary ones 7 to 15 cm. long, the branches solitary, rather distant, stiffly but widely ascending, the lowermost as much as 10 cm. long; pulvini glabrous or sparsely pilose; spikelets 2.1 to 2.2 mm. long, short-pedicellate, appressed, solitary or usually paired toward the ends of the stiffly spreading branchlets; first glume 0.6 to 0.8 mm. long, rounded, obtuse, or very broadly acute, clasping; second glume and sterile lemma equal, acute, pointed beyond the fruit, rather strongly nerved; fruit 1.6 mm. long, blackish-brown at maturity, smooth and shining, the nerves white.

Type in the U. S. National Herbarium no. 932898, collected on rocky slope, Stone Mountain, Georgia, August 23, 1905, by A. S. Hitchcock (Amer. Gr. Nat. Herb. no. 24).

In the revision of *Panicum* by Hitchcock and Chase,¹ two specimens

¹ Contrib. U. S. Nat. Herb., 15 : 59. 1910.